

IN THE CLAIMS:

1. (Currently Amended) A composition comprising an adhesive agent and dispersed therein thermoexpandable microcapsules, wherein the microcapsules each comprise a shell that encapsulates at least one expandable gas or volatile expandable agent or an explosive material so that when heat is applied to the composition, the microcapsules expand and/or release only part of their contents so as to reduce adhesive properties of the composition at an interface where the composition is applied.

2. (Cancelled).

3. (Currently Amended) A composition according to Claim 2 1 wherein the shell is composed of a polymer.

4. (Previously Amended) A composition according to Claim 1, wherein the adhesive agent is selected from the group consisting of urethane, polyurethane, polyvinylchloride and an MS polymer.

5. (Previously Amended) A composition according to Claim 1, wherein the thermoexpandable capsules are microspheres or hollow fibres in the form of a powder.

6. (Original) A composition according to Claim 5 wherein the powder is provided with the adhesive agent in a pre-mixed form in a container.

7. (Previously Amended) A composition according to Claim 1, wherein the composition is formed at the time of, or shortly before, its use.

8. (Original) A composition according to Claim 7 wherein formation of the composition occurs within a dispensing device or at a point of exit therefrom.

9. (Previously Amended) A composition according to Claim 1, which further includes a fast cure agent or catalyst, whereby the composition is rapidly cured or set.

10. (Previously Amended) A composition according to Claim 1, which further includes a coloring agent so that the cured composition is black.

11. (Previously Amended) A composition according to Claim 1, wherein the microcapsules encapsulate more than one material.

12. (Original) A composition according to Claim 11 wherein the additional material is selected from one or more of the group consisting of an expanding agent, an agent capable of sublimation, water, an explosive material or an activator agent.

13. (Previously Amended) A composition according to Claim 11 wherein the microcapsules encapsulate different agents, either separately or in combination.

14. (Previously Amended) A composition according to Claim 11, further comprising intact expanded microspheres and/or microcapsules which have released their contents into the composition.

15. (Previously Amended) A composition according to Claim 2, wherein the microcapsule shell diameter is in the range 10 to 120 μm .

16. (Previously Amended) A composition according to Claim 2, wherein the microcapsule shell thickness is in the range 3 to 7 μm .

17. (Previously Amended) A composition according to Claim 1, wherein the thermoexpandable microcapsules are present in the range of 1-30% by volume

18. (Original) A composition according to Claim 17 wherein the microcapsules are present in the range of 2-10% volume.

19. (Previously Amended) A composition according to Claim 1 wherein the composition is activated by heat in a heat activation range of 80-170° C.

20. (Original) A composition according to Claim 19 wherein the composition is activated by heat in a heat activation range of 120-150°C.

21. (Previously Amended) A composition according to Claim 2, further comprising a mixture of microcapsules of different diameter or shell thickness or of differing heat activation temperatures or different expanding coefficients.

22. (Previously Amended) A method of preparing a composition comprising:
providing an adhesive agent; and
dispersing thermoexpandable microcapsules therein for fixing glazing.

23. (Previously Amended) The method according to Claim 22 wherein the composition further comprises a shell that encapsulates at least one expandable gas or volatile expandable agent or an explosive material.

24. (Original) A composition comprising a primer and dispersed therein thermoexpandable microcapsules.

25. (Previously Amended) A composition according to Claim 24 further comprising a shell that encapsulates at least one expandable gas or volatile expandable agent or an explosive material.

26. (Previously Amended) A method of preparing a composition comprising:
providing a primer; and
dispersing thermoexpandable microcapsules therein as a glazing adhesive.

27. (Previously Amended) The method according to Claim 26 further comprising a shell that encapsulates at least one expandable gas or volatile expandable agent or an explosive material.

28. (Previously Amended) A method of preparing a glazing adhesive comprising:
providing a composition comprising microcapsules.

29. (Previously Amended) A method of installing a vehicle windscreen
comprising:

- (i) placing a windscreen flush against a window aperture rim of a vehicle;
- (ii) applying a composition comprising an adhesive agent and dispersed therein
thermoexpandable microcapsules around a peripheral area of the windscreen;
and
- (iii) allowing sufficient time for the adhesive to cure or primer to dry.

30. (Original) A method according to Claim 29 wherein prior to application, the
composition is blended by a static mixer.

31. (Previously Amended) A method of fixed glazing comprising:

(i) applying a heat source to the cured adhesive wherein the heat applied is
sufficient to cause thermoexpansion of the microcapsules and to weaken the adhesive
cohesion and interface bonds of the composition; and

(ii) removing the windscreen from the main vehicle body.

32. (Previously Added) A method of installing a vehicle windscreen comprising:

placing a windscreen flush against a window aperture rim of a vehicle;

applying a composition comprising a primer and dispersed therein
thermoexpandable microcapsules around a peripheral area of the windscreen; and

allowing sufficient time for the adhesive to cure or primer to dry.